

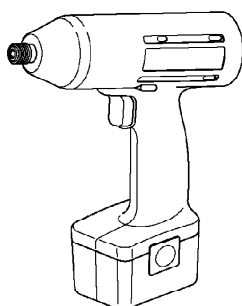
ORDER NO. PTD0409E41A2

Service Manual

Cordless Impact Driver



EYF581-E2



SPECIFICATIONS

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MAIN UNIT

Motor	DC Motor 9.6V
No load speed	0-2,800/min (rpm)
Impact per minute	0-3,120 i.p.m.
Maximum torque	78.4 Nm (*Tightening time: 3 seconds) when screwed with a M12 High tensile bolt
Overall length	175 X 215 X Φ 53 mm (6-59/61" X 8-15/32" X Φ 2-3/32")
Weight (with battery pack EY9201)	1.21 kg

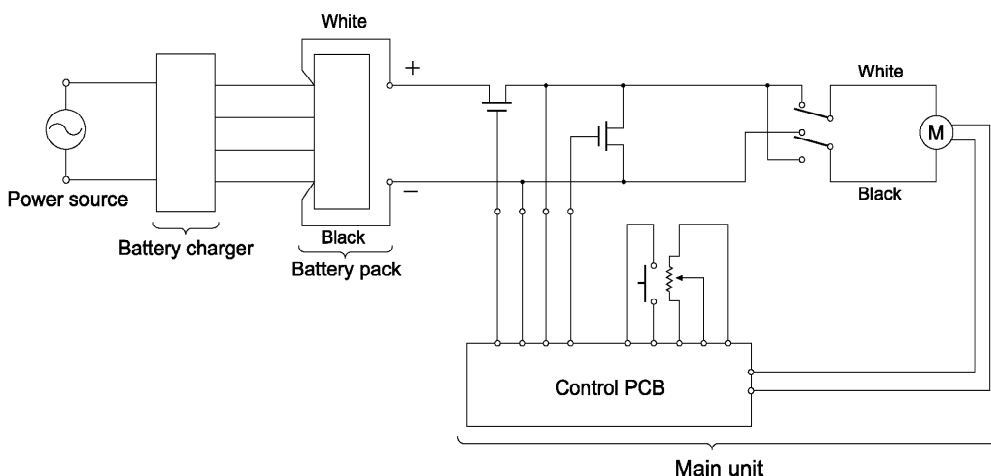
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⚠ WARNING

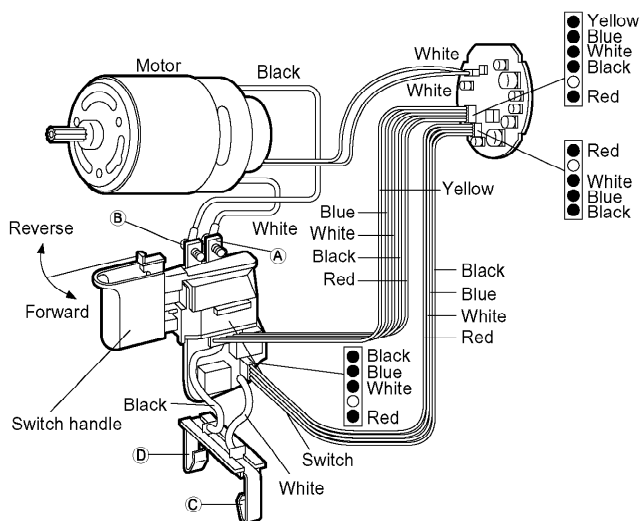
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Panasonic

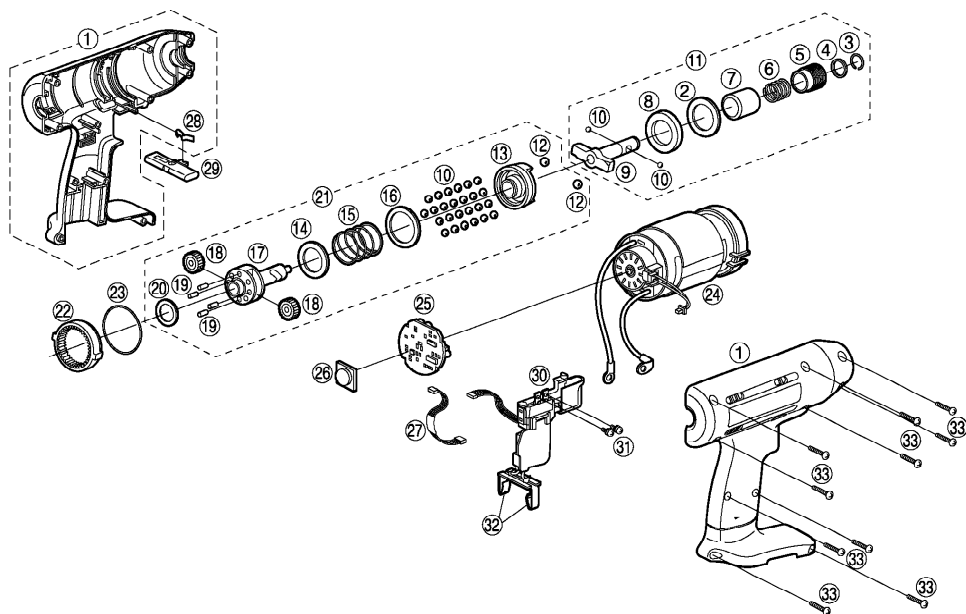
1. SCHEMATIC DIAGRAM



2. WIRING CONNECTION DIAGRAM



3. EXPLODED VIEW



4. REPLACEMENT PARTS LIST

NOTE:

*B=only available as set

*C=available individually

Ref. No.	Parts No.	Parts Name & Descriptions	Remarks			Per Unit
<u>1</u>	WEYF581K3079	HOUSING AB SET				1
<u>2</u>	WEY6605K0327	ANVIL CUSHION				1
<u>3</u>	WEY6605L1167	SPRING C FOR BIT				1
<u>4</u>	WEYF560L0858	THRUST PLATE C				1
<u>5</u>	WEYF560K3717	BIT HOLDER				1
<u>6</u>	WEYF560L0197	SPRING FOR BIT				1
<u>7</u>	WEYF560L0387	NEEDLE BEARING				1
<u>8</u>	WEYF560L0637	THRUST RING				1
<u>9</u>	WEYF560L1128	ANVIL				1
<u>10</u>	WEYF560L6977	STEEL BALL	*B	(28PCS/PK) $\phi 3$		27
<u>11</u>	WEYF560L1108	ANVIL ASSEMBLY				1
<u>12</u>	WEY7201L6967	STEEL BALL	*B	(2PCS/PK)		2
<u>13</u>	WEYF581L1377	HAMMER				1
<u>14</u>	WEY7300L0877	THRUST PLATE				1
<u>15</u>	WEYF581L0157	SPRING FOR HAMMER				1
<u>16</u>	WEY574B0837	THRUST PLATE				1
<u>17</u>	WEYF560L1137	DRIVING SHAFT				1
<u>18</u>	WEYF560L1357	PLANET GEAR	*B	(2PCS/PK)		2
<u>19</u>	WEY6602K1347	GEAR SHAFT	*B	(2PCS/PK)		4
<u>20</u>	WEYF560L0857	THRUST PLATE				1
<u>21</u>	WEYF581L1067	DRIVING SHAFT BLOCK				1
<u>22</u>	WEYF581L1457	RING GEAR				1
<u>23</u>	WEYF581I0977	O-RING				1
<u>24</u>	WEYF581L1008	DC MOTOR				1

Ref. No.	Parts No.	Parts Name & Descriptions	Remarks			Per Unit
25	WEYF581L2137	CONTROL P.C.B.				1
26	WEYF560X3487	LENS				1
27	WEYF560L2078	LEAD WIRE W/CONNECTOR				1
28	WEY6481L0177	CLICK SPRING				1
29	WEYF560Y3247	F/R SELECTOR HANDLE				1
30	WEYF581Y2007	SWITCH				1
31	WEY6225L6027	SEMS SCREW	*C	K3-6		2
32	WEYF560L2127	BATTERY TERMINAL				1
33	WEYF560K9218	B TIGHT SCREW	*C	K3-16		10
-	WEYF581K8008	INDIVIDUAL BOX				1
-	WEYF581K8109	OPERATING INSTRUCTIONS				1

****Battery Pack is available as an optional accessory. See the nearest sales dealer for details.**

***** For replacement parts of charger, see the charger service manual. / Charger complete set is available as an optional accessory. See the nearest sales dealer for details.**

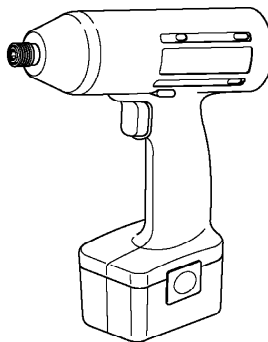
ORDER NO.PTD0409U42C1

F16

Service Manual

Cordless Impact Driver

EYF581-U1



SPECIFICATIONS

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MAIN UNIT

Motor	DC Motor 9.6V
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Impact per minute	0-3,120 i.p.m.
Maximum torque	78.4 Nm (*Tightening time: 3 seconds) when screwed with a M12 High tensile bolt
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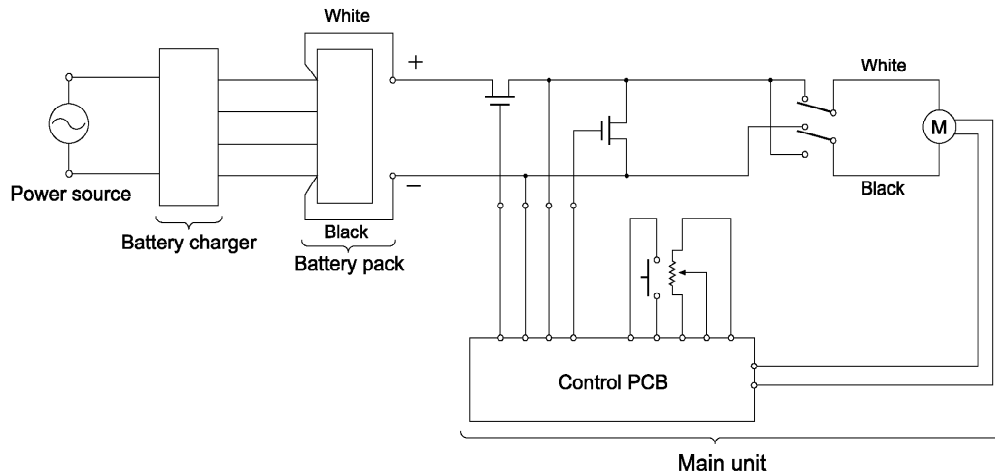
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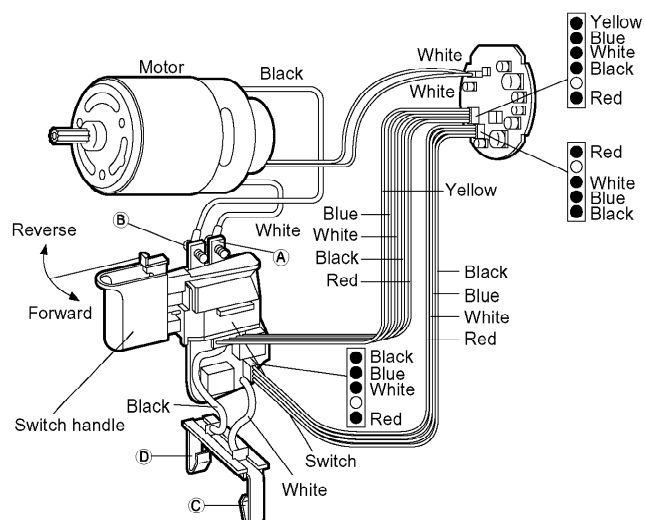
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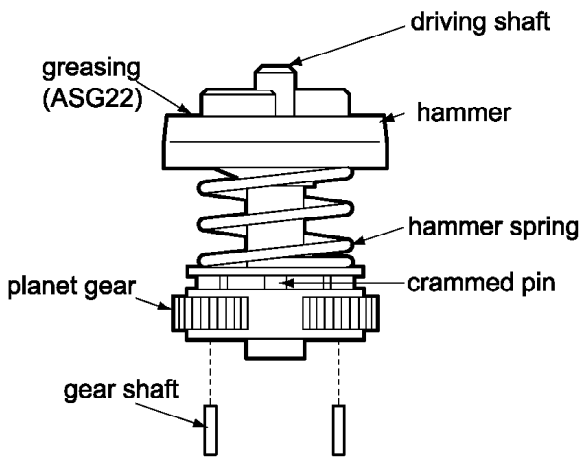
1. SCHEMATIC DIAGRAM

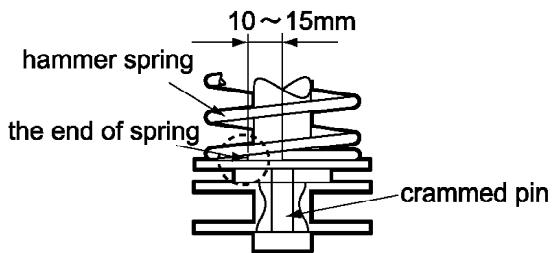


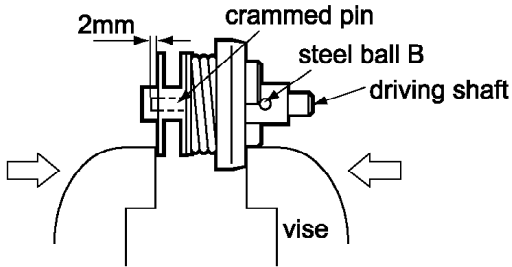
2. WIRING CONNECTION DIAGRAM



3. DISASSEMBLY/ASSEMBLY INSTRUCTIONS

Ref. No. 1A	Procedure 1A	Removal of the Housing and disassembly driving block.
 <p>The diagram shows a cross-section of the driving block assembly. At the top is a driving shaft with a hammer attached. Below the hammer is a hammer spring. The spring is connected to a planet gear, which is mounted on a gear shaft. A crammed pin is also shown, positioned between the hammer spring and the planet gear. Greasing (ASG22) is indicated at the top of the assembly.</p>		<p>1. Loosen 10 screws for housing.</p> <p>2. Take out the driving block and remove planet gears and the gear shafts by lightly tapping it on the desk.</p>

Ref. No. 1B	Procedure 1A → 1B	Placing position of the hammer spring.
 <p>The diagram shows a close-up of the hammer spring being positioned relative to the crammed pin. A dimension line indicates a distance of 10~15mm between the end of the spring and the pin. Labels include 'hammer spring', 'the end of spring', and 'crammed pin'.</p>		<p>1. Rotate hammer spring and adjust the end of the spring to the position 10-15mm from crammed pin.</p>

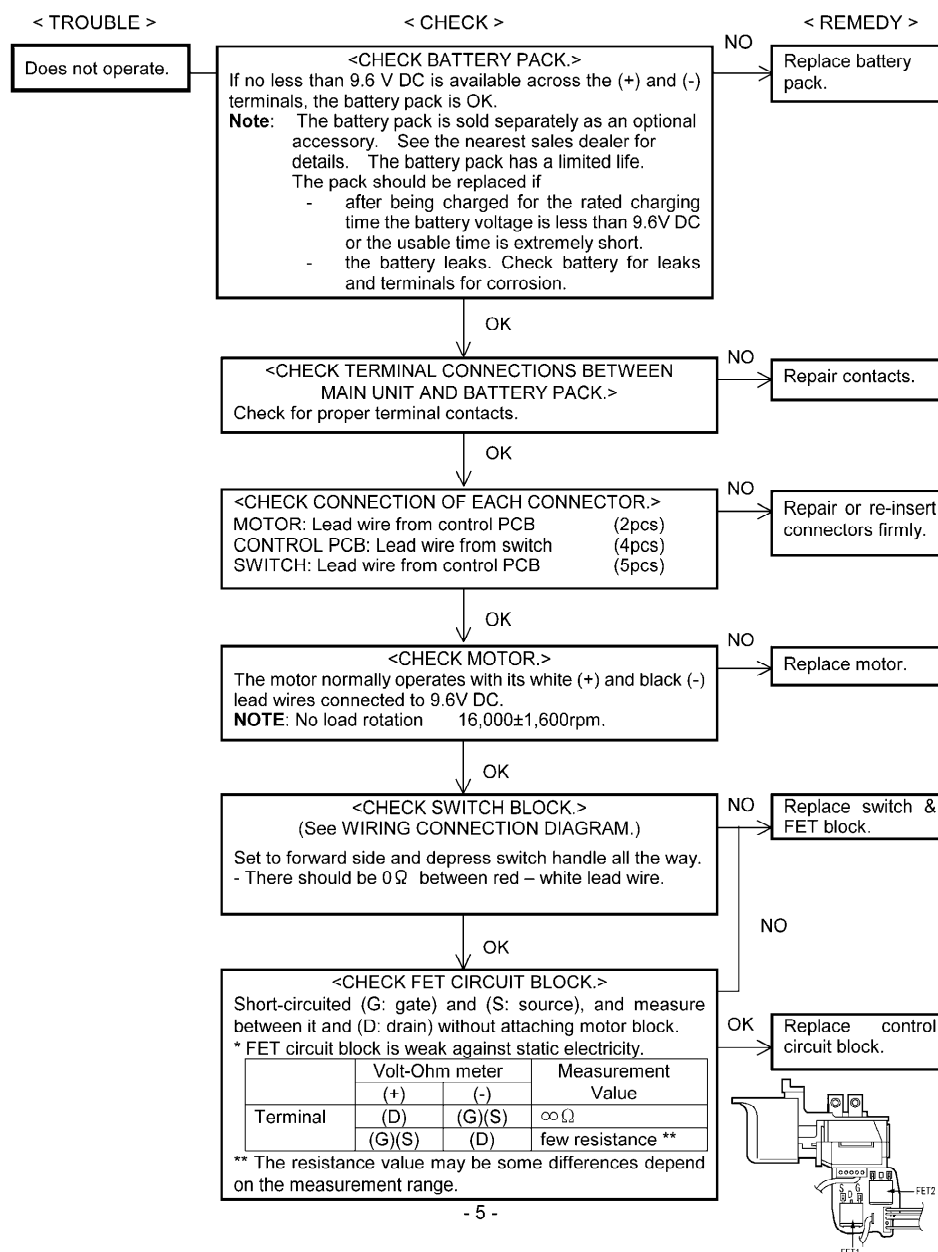
Ref. No. 1C	Procedure 1A → 1B → 1C	Disassembly of the driving block.
		<p>1. Hold the driving block as shown with fig. 1. Press it until pin comes out about 2mm.</p> <p>2. Remove two steel ball B.</p> <p>3. Then, the driving block is available to disassemble one by one.</p> <p>NOTE : Make sure 25 pieces of steel ball A come out when removing driving block.</p>

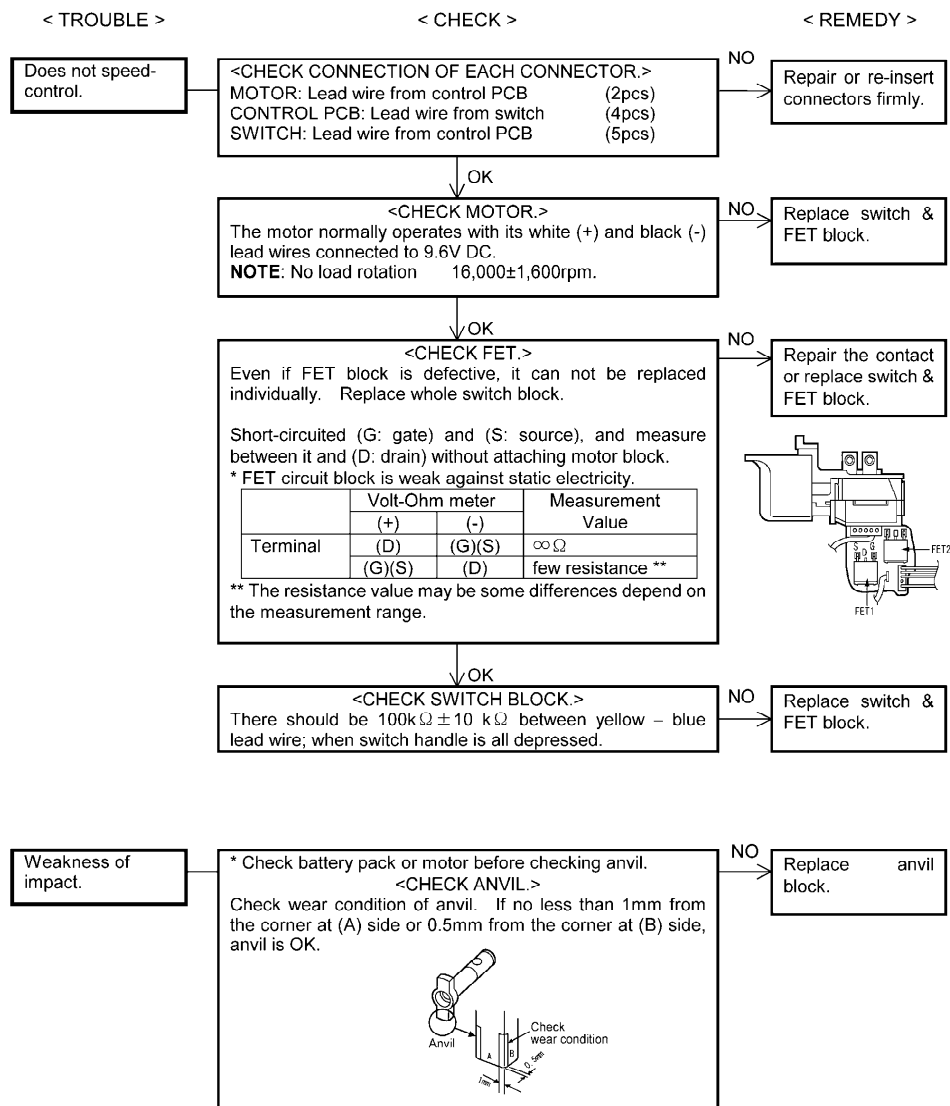
3.1. NOTE IN ASSEMBLY

1. Assemble each parts in reverse order of disassembly method.
2. Grease to inside of hammer or around driving block area with ASG22 Showa Shell / WEY6811X5537.

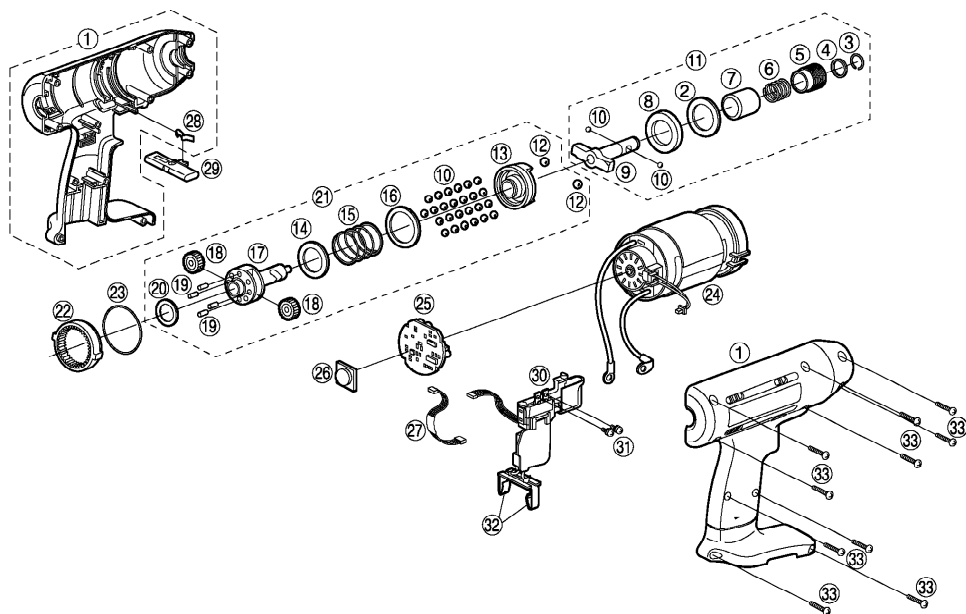
4. TROUBLESHOOTING GUIDE

(Refer to [WIRING CONNECTION DIAGRAM](#))





5. EXPLODED VIEW & REPLACEMENT PARTS LIST



6. REPLACEMENT PARTS LIST

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24	WEYF581L1008	DC MOTOR				1

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